Eagle Zinc
Hillsboro, Illinois

Chronology of Historical Site Investigation Activities

June 1, 1981

- Site listed on CERCLIS due to Sherwin Williams filing Notification of Hazardous Waste Site.

Fall 1993 Soil and Sediment Sampling

- CERCLA Expanded Site Inspection (ESI) conducted by Illinois EPA ("IEPA").
- 28 soil and sediment samples collected from the facility and adjacent properties.
- Sediment sampling identified cadmium, copper, lead and zinc which decreased in samples collected further from the site.
- Off-site soil sampling identified elevated levels of arsenic, cadmium and lead. Results were reviewed by the Illinois Department of Public Health who concluded only manganese was significantly above background at levels that may cause health concerns. However, IDPH considered this a low potential threat and questioned whether the facility was the source of the manganese given that higher levels were detected off-site than on-site.
- Well survey conducted by IEPA indicated that no known wells were present within ½ mile of the facility. Private wells in the area (beyond that distance) are generally about 50 feet deep in a sand and gravel layer located below a clay layer. Due to the distance to the nearest well and the nature of the contaminants of concern, no ground water samples were collected from private wells.
- The ESI concluded:

  Property does not pose an immediate threat to human health or the environment to warrant a response action.

  Although no immediate threat is present, further investigation is necessary to determine environmental effects caused by facility.

- Dissolved cadmium was detected in one well at approximately 30 ug/l. Total cadmium ranged from ND-44 ug/l compared to the Class II GW standard of 50 ug/l.

- Dissolved and total zinc detected in one well at approximately 5.5 mg/l compared to the Class II GW standard of 10 mg/l.

- In all instances, highest level was detected in a well installed directly through residual material (G-107 and /or G-108).

December 1998-Present Underground Storage Tank Investigation

- Potable well survey confirmed no potable wells within 2500 feet of the former UST.

- Sampling of monitor wells installed as part of UST program did not identify the presence of any gasoline constituents.

Fall 2000 Oversize Testing

- Oversize is created when residuals are screened to separate carbon fines (which fines are either sold for off-site use or reused at the facility).

- Oversize material tested and determined to be well suited for use as private road/surface aggregate or shallow fill.

- Testing included TCLP (for which all results were magnitudes below regulatory limits), Sodium Soundness, LA Abrasion, Grain Size and Hydration Reaction testing.

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